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TITLE: RESIN COMPOSITION FOR POWDER
COATING
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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject composition consisting essentially of a copolymer obtained from a specific raw material component and transesterification catalyst and capable of providing a cured coating film excellent in appearance, low- temperature curing property, weather resistance and mechanical physical properties, etc.

SOLUTION: This resin composition consists essentially of (A) a copolymer obtained by copolymerizing (i) tert-butyl methacrylate and/or tert-butyl acrylate with (ii) a hydroxyl group-containing vinyl monomer (e.g. 2-hydroxyethyl vinyl ether) and (B) a transesterification catalyst (preferably a compound having sulfonic acid group or a group comprising an alkali metal salt or amine salt of sulfonic acid. The composition is preferably used so that an amount of the component (i) is 10-90wt.% and an amount of the component (ii) is 10-70wt.% and total amount of the components (i) and (ii) is 10-100wt.%. The number-average molecular weight of the component A is 1000-10000 and the glass transition temperature is 50-100°C and the hydroxyl value is 10-300mgKOH/g.

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